PCTV MediaCenter 300i
Hardware

PINNACLE SYSTEMS

GB

PCTV MediaCenter 300i Hardware

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System requirements

Your system must satisfy the following requirements in order for your PCTV MediaCenter 300i to function without problems:

Computer hardware

Processor

At least: Pentium III with 1 GHz or a comparable AMD processor

Recommended: Pentium IV with 2 GHz or a comparable AMD processor

Main memory

At least: 128 MB RAM

Recommended: 256 MB RAM

Hard disk

IDE hard disk with master mode drivers and at least 5 GB of free storage space

Graphics card

At least: DirectX8-compatible graphics card

Recommended: DirectX9-compatible graphics card

Sound card

At least: DirectX9-compatible soundcard

CD-ROM drive (at least) or CD-/DVD burner (recommended)

Computer software

Windows XP, Home or Professional Edition, each with Service Pack 1 installed or higher

For your own safety

 If you purchased your PCTV MediaCenter 300i together with a PC and thus it is already installed, then please skip the following chapters in this manual and continue reading with the chapter "Connecting the Equipment“.

In the interest of your own safety and the flawless functioning of your new PCTV MediaCenter 300i and computer system please note the following:

- Computer components are sensitive to static charge. Divert any electrostatic charge from your person before touching the components with your hands or any tools.

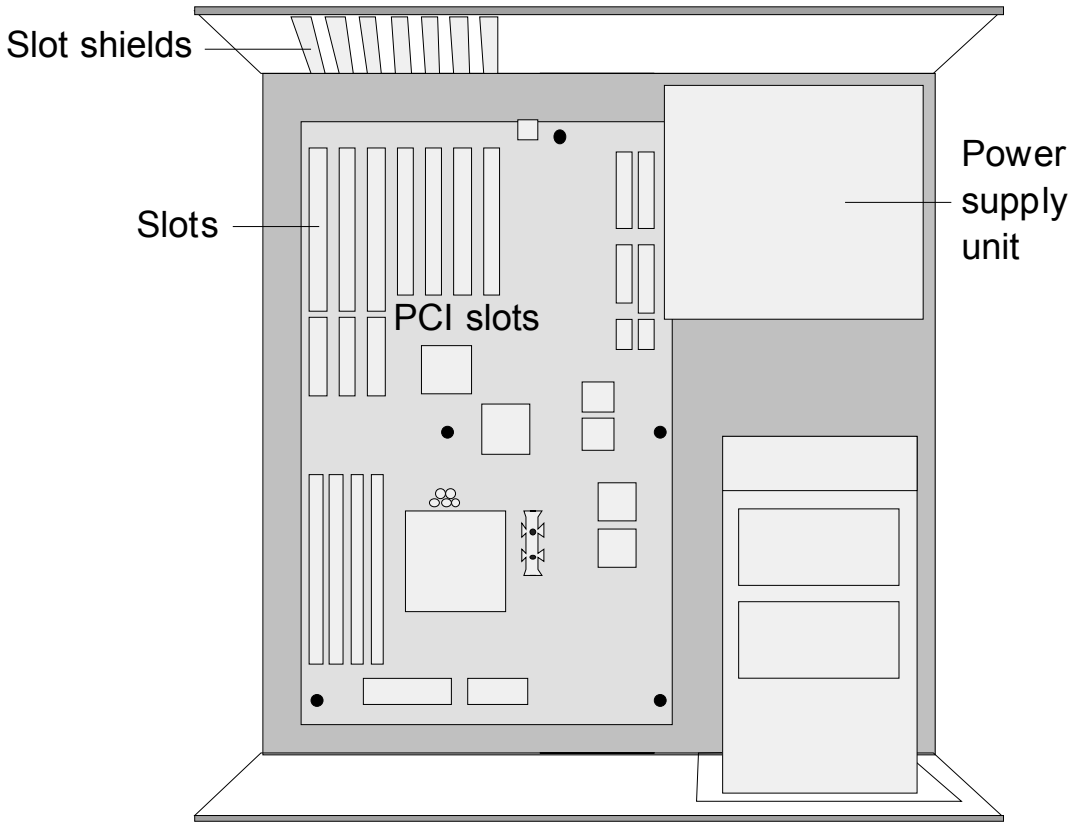
- Before opening the computer make sure that the power plug is disconnected from the wall outlet.

Hardware Installation

Preparing installation

The only tool you need for the installation is a screwdriver.

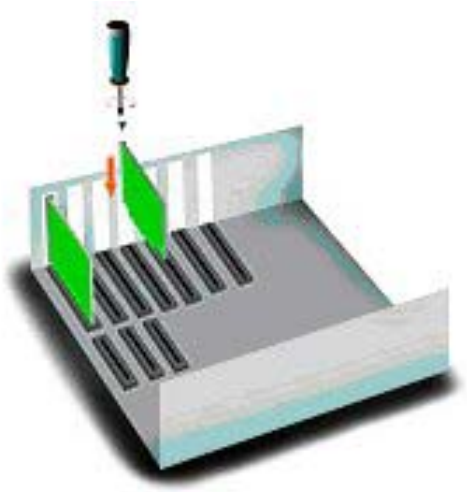
- Discharge yourself of static charge by touching the power unit casing.
- Turn off your computer and all peripheral devices. Disconnect the computer from the power supply and all necessary components.
- Loosen the computer's cover screws and remove the cover.
- Select a free PCI (busmaster) slot. Remove the slot's cover at the back of the computer and keep the screws.



Using PCTV MediaCenter 300i hardware

- Please connect an internal audio cable plug to the internal audio output of the board and the other plug to the internal audio input of your soundcard.

- Plug the board into the previously selected PCI slot. To do so hold the board at the top and push it down into the slot applying even pressure at both ends. Press down on the upper edge so that the board fits firmly in the slot.



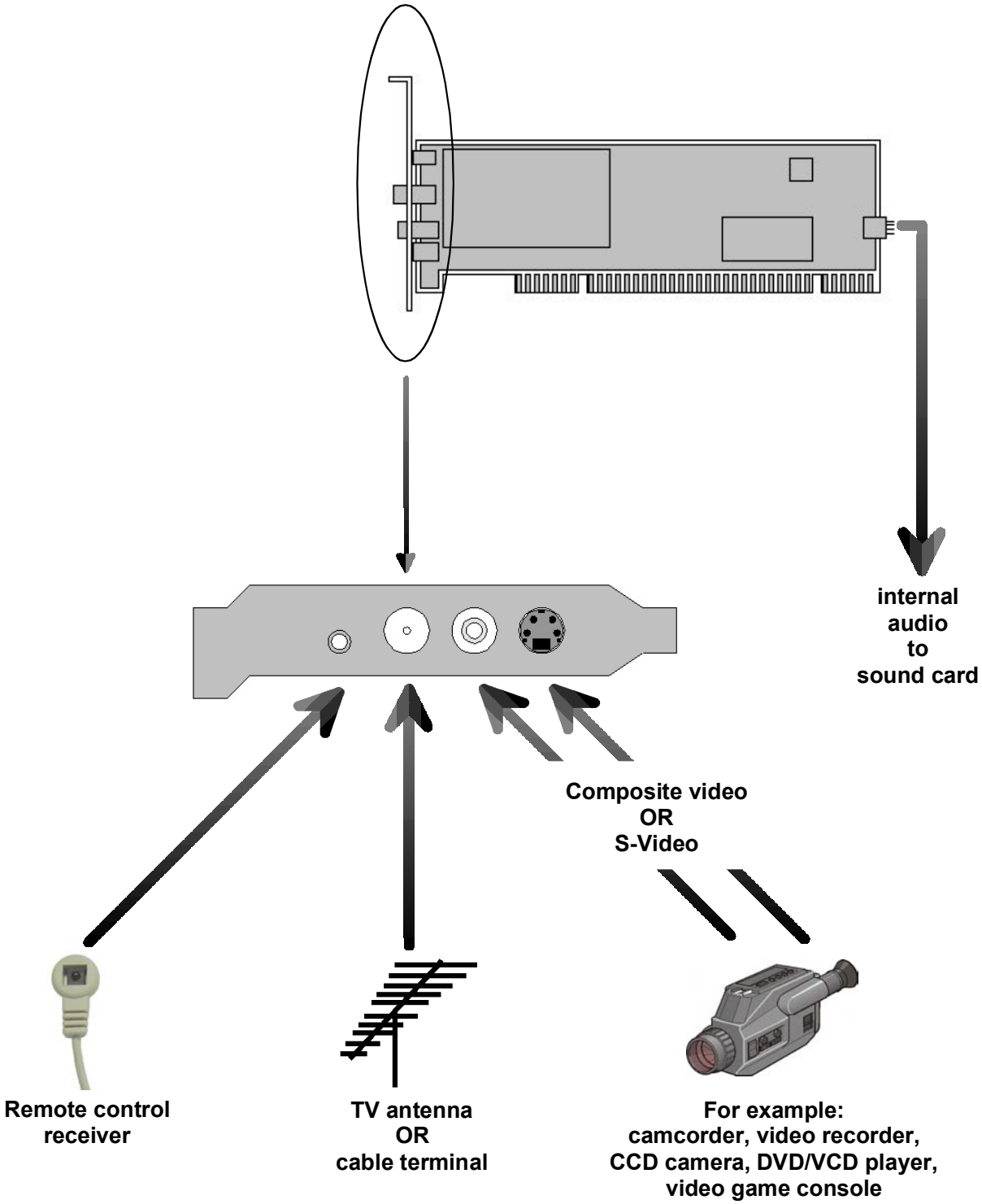
- If the board is not easily inserted into the slot, then please do not use force as this may bend the contact springs on the socket connector. Instead, remove the board and try to insert it once again.

After installation

- After you have inserted the hardware, firmly tighten the retaining bracket of the board on the back of the computer.

- Now place the cover onto your computer and connect the peripheral devices.

Connecting the Equipment



Tips on Positioning the Antenna

Please take note of the following in order to achieve the best possible digital television reception:

- Wherever possible place the antenna in the direction of the nearest transmitter.

- If you use an indoor antenna, then position it near a window if possible.

- Try to position any indoor antenna as high as possible (e.g. on top of a cupboard).

- An indoor antenna should not be located near to a computer monitor, television or the like.

- Make certain to have the proper polarization if you use an active flat antenna (if you are not certain, then you can find out whether the antenna should have a transverse or upright position by trial and error).

- For active antennas activate the antenna power supply in the "Settings" menu of the Pinnacle MediaCenter application.

- Only double-shielded antenna cable should be used.

Technical Data

Bus system

PCI Rev. 2.3

Video decoder

Philips SAA7134

TV tuner

Microtune MT2050
The frequency range is from 45.75 to 863.25 MHz.

Analog demodulator

TDA 9885

- PAL B/G/D/K/I

DVB-T demodulator

Zarlink MT352

- 16, 64 QAM, QPSK
- 6, 7, 8 MHz bandwidth
- UHF, VHF

Video inputs

S-Video input (Mini-DIN), Composite video input (chinch)

Antenna input

75 Ohm IEC adapter

Remote control input

Remote control input for connecting optionally supplied receiver cable

Audio output

Audio output (for sound card) via internal four-pin plug-in connector, 2.8 mm grid

Konformitätserklärung nach ISO/IEC Guide 22

Declaration of conformity in accordance with ISO/IEC Guide 22

Nr. / No 1.00

Anbieter / *Supplier* : **Pinnacle Systems GmbH**

Anschrift / *Address* : Frankfurter Strasse 3c
38122 Braunschweig, Germany

Produkt / *Product* : **PCTV MediaCenter 300i**

Das oben beschriebene Produkt ist konform mit: / *The product described above is in conformity with:*

Dokument-Nr. *Document No.*	Titel *Title*
EN 55022 : 1998 Class B	Grenzwerte und Messverfahren für Funkentstörungen von Einrichtungen der Informationstechnik *Limits and methods of measurement of radio interference characteristics of information technology equipment*
EN 55024 : 1999	Störfestigkeitseigenschaften für Einrichtungen der Informationstechnik - Grenzwerte und Prüfverfahren *Immunity characteristics for information technology equipment - limits and methods of measurement*
EN 61000-4-2 : 2001	Störfestigkeit gegen Entladung statischer Elektrizität *Electrostatic discharge immunity test*
EN 61000-4-3 : 2001	Störfestigkeit gegen hochfrequente elektromagnetische Felder *Radiated, radio-frequency, electromagnetic field immunity test*
EN 61000-4-4 : 2002	Störfestigkeit gegen schnelle transiente elektrische Störgrößen/BURST *Electrical fast transient/burst immunity test*
EN 61000-4-5 : 2001	Störfestigkeit gegen Stoßspannungen/SURGE *Surge immunity test*
EN 61000-4-6 : 2001	Störfestigkeit gegen leitungsgeführte Störgrößen, induziert durch hochfrequente Felder *Immunity to conducted disturbances, induced by radio-frequency fields*
EN 61000-4-8 : 2001	Störfestigkeit gegen Magnetfelder mit energietechnischen Frequenzen *Power frequency magnetic field immunity test*
EN 61000-4-11 : 2001	Störfestigkeit gegen Spannungseinbrüche, Kurzzeitunterbrechungen und Spannungsschwankungen *Voltage dips, short interruptions and voltage variations immunity tests*
ENV 50204 : 1996	Störfestigkeit gegen hochfrequente elektromagnetische Felder von digitalen Funktelefonen *Radiated electromagnetic field from digital radio telephones - Immunity test*
EN 61000-3-2 : 2001	Grenzwerte für Oberschwingungsströme *Limitations for harmonic currents*
EN 61000-3-3 : 2002	Grenzwerte für Spannungsschwankungen und Flicker *Limitations of voltage fluctuations and flicker*
EN 55013 : 2000	Funkstöreigenschaften von Rundfunkempfängern und verwandten Geräten der Unterhaltungselektronik *Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment*
EN 55020 : 2000	Störfestigkeit von Rundfunkempfängern und verwandten Geräten der Unterhaltungselektronik *Electromagnetic immunity of broadcast receivers and associated equipment*
EN 60950 : 2001	Sicherheit von Einrichtungen der Informationstechnik *Safety of information technology equipment*

Dieser Erklärung liegt zugrunde: Prüfbericht(e) des EMV-Prüflabors
This certification is based on: Test report(s) generated by EMI-test laboratory

Braunschweig, 7. Juli 2004 / *July 7th, 2004*

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Finanzdirektor / *Director Finance*
(Rechtsverbindliche Unterschrift / *Legally Binding*)

Notes